



LEGEND

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, 1985 WHEN LAKE ERIE IS AT ELEVATION 569.2 FT., LAKE ST. CLAIR AT 572.3 FT. AND LAKE HURON AT 577.5 FT. ABOVE MEAN WATER LEVEL AT WINDYBUSH, GEORGIA.

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE, 1911, LAMBERT PROJECTION, 1985 NORTH AMERICAN DATUM.

- NOTES:
1. GADES USED WERE REFERENCED FROM NOAA GAGE HOUSE LOCATED ON ST. CLAIR RIVER 1000 FT. SOUTH OF THE MOUTH OF THE PINE RIVER.
 2. POSITIONS WERE DETERMINED BY GPS. REFERENCE BEACON 838, LOCATED AT FORT WAYNE, DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS.
 3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTHS DATA WAS 300 KHZ AND THE BEAM ANGLE WAS 5.0 DEGREES.

U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	ST. CLAIR RIVER, MICHIGAN		
DRAWN BY:	MIDDLE GROUND SHOAL		
CHECKED BY:	CONDITION SOUNDINGS		
REVIEWED BY:	C.S. 1400+00 TO C.S. 1432+00		
11 JUN 2003			
DETROIT AREA OFFICE			
SUBMITTED BY:	APPROVAL/RECOMMENDATION	P.E.	DATE
CHIEF, PROJ./OPS-SECT	CHIEF, OPS BRANCH		
CHIEF, CONST - OPNS DIVISION		SCALE AS SHOWN	
SHEET 33 OF 54		DRAWING NUMBER	
		8653330-001	